

Fresno Metropolitan Region's Intelligent Transportation System

1. The Intelligent Transportation System (ITS) Vision for Fresno County is to enhance safety, mobility, efficiency, and transportation productivity, and to improve the quality of life and environment through the use of cost effective ITS technologies and systems.
2. The Intelligent Transportation Mission for City of Fresno is to implement a traffic coordination system that will improve mobility in the greater Fresno metropolitan area and meet environmental objectives.
3. In early 2000, the City of Fresno embarked on a goal to build a Traffic Operations Center and a city wide computer fiber network which would convert key traffic signals into a coordinated traffic management system. The ITS Traffic Coordination System would connect the Traffic Operations Center to a fiber network, connecting key Fresno arterials and expressways for an efficient citywide traffic coordination.
4. Over the last several years, City of Fresno's ITS Phases 1 and 2 constructed the Traffic Operations Center and 55 miles of transportation infrastructure. The ITS Phase 3 project is near completion, building the City's ITS Traffic Coordination System and interconnecting approximately 100 traffic signals for key arterials (Blackstone, Herndon, Willow, Chestnut, Kings Canyon, and parts of Downtown Fresno).
5. The City's Traffic Engineers will have a state-of-the-art technology to monitor, model, and coordinate traffic on some of the City's major arterials, reducing commute times 5% to 15%.
6. The City's traffic synchronization program benefits will be soon be realized from the reduction of an estimated 80 metric tons (VO_x, NO_x) and 190 metric tons (CO₂) emissions.
7. The City's traffic synchronization program benefits will also provide fuel savings forecasted to be \$30 to \$50 per car annually.
8. The City is navigating toward our future mission critical objectives to improve mobility and emission reduction. The ITS Program Phase 4 for synchronization of Shaw Ave. will be constructed in 2009/2010.
9. The City's traffic signal mitigation impact fee program will provide developer funding for future arterial signal interconnection as the General Plan is built-out.